

09577649\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09577649 on August 13, 2003

- 27 704/229 (12 OR, 15 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/201 .For storage or transmission  
 704/229 ..Adaptive bit allocation
- 22 704/200.1 (11 OR, 11 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/200.1 .Psychoacoustic
- 19 704/230 (3 OR, 16 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/201 .For storage or transmission  
 704/230 ..Quantization
- 14 704/500 (6 OR, 8 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/500 AUDIO SIGNAL BANDWIDTH COMPRESSION OR EXPANSIO
- 10 704/219 (2 OR, 8 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/201 .For storage or transmission  
 704/219 ..Linear prediction

N

09577649\_CLSTITLES

- 9 704/203 (2 OR, 7 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/201 .For storage or transmission  
 704/203 ..Transformation
- 9 704/205 (1 OR, 8 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/201 .For storage or transmission  
 704/205 ..Frequency
- 7 704/220 (3 OR, 4 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/201 .For storage or transmission  
 704/220 ..Analysis by synthesis
- 7 704/222 (4 OR, 3 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/201 .For storage or transmission  
 704/221 ..Pattern matching vocoders  
 704/222 ...Vector quantization
- 6 381/2 (4 OR, 2 XR)  
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS  
 AND DEVICES  
 381/1 BINAURAL AND STEREOPHONIC  
 381/2 .Broadcast or multiplex stereo
- 6 704/226 (2 OR, 4 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

09577649 CLSTITLES  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/201 .For storage or transmission  
 704/226 ..Noise

6 704/501 (2 OR, 4 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION  
 704/500 AUDIO SIGNAL BANDWIDTH COMPRESSION OR EXPANSIO

704/501 .With content reduction encoding

5 704/227 (2 OR, 3 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/201 .For storage or transmission  
 704/226 ..Noise  
 704/227 ...Pretransmission

5 704/503 (2 OR, 3 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION  
 704/503 AUDIO SIGNAL TIME COMPRESSION OR EXPANSION  
 (E.G., RUN LENGTH CODING)

4 704/201 (1 OR, 3 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/201 .For storage or transmission

4 704/211 (0 OR, 4 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/201 .For storage or transmission

## 09577649\_CLSTITLES

- 704/211           ..Time
- 4 704/223           (1 OR, 3 XR)  
     Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
                   LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
- COMPRESSION/DECOMPRESSION  
     704/200       SPEECH SIGNAL PROCESSING  
     704/201       .For storage or transmission  
     704/221       ..Pattern matching vocoders  
     704/223       ...Excitation patterns
- 4 704/228           (2 OR, 2 XR)  
     Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
                   LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
- COMPRESSION/DECOMPRESSION  
     704/200       SPEECH SIGNAL PROCESSING  
     704/201       .For storage or transmission  
     704/226       ..Noise  
     704/228       ...Post-transmission
- 4 704/233           (0 OR, 4 XR)  
     Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
                   LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
- COMPRESSION/DECOMPRESSION  
     704/200       SPEECH SIGNAL PROCESSING  
     704/231       .Recognition  
     704/233       ..Detect speech in noise
- 3 341/76            (0 OR, 3 XR)  
     Class 341 : CODED DATA GENERATION OR CONVERSION  
     341/50         DIGITAL CODE TO DIGITAL CODE CONVERTERS  
     341/76         .To or from differential codes
- 3 348/14.01         (2 OR, 1 XR)  
     Class 348 : TELEVISION  
     348/14.01       TWO-WAY VIDEO AND VOICE COMMUNICATION (E.G.,  
                       VIDEOPHONE)
- 3 348/14.12         (2 OR, 1 XR)  
     Class 348 : TELEVISION  
     348/14.01       TWO-WAY VIDEO AND VOICE COMMUNICATION (E.G.,  
                       VIDEOPHONE)  
     348/14.12       .Transmission control (e.g., resolution or  
                       quality)

09577649\_CLSTITLES

- 3 375/243 (2 OR, 1 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/242 PULSE CODE MODULATION
  - 375/243 .Correcting or reducing quantizing errors
  
- 3 381/1 (0 OR, 3 XR)
  - Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
  - 381/1 BINAURAL AND STEREOPHONIC
  
- 3 704/221 (0 OR, 3 XR)
  - Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
  - 704/200 SPEECH SIGNAL PROCESSING
  - 704/201 .For storage or transmission
  - 704/221 ..Pattern matching vocoders
  
- 2 341/50 (2 OR, 0 XR)
  - Class 341 : CODED DATA GENERATION OR CONVERSION
  - 341/50 DIGITAL CODE TO DIGITAL CODE CONVERTERS
  
- 2 348/14.13 (0 OR, 2 XR)
  - Class 348 : TELEVISION
  - 348/14.01 TWO-WAY VIDEO AND VOICE COMMUNICATION (E.G., VIDEOPHONE)
  - 348/14.12 .Transmission control (e.g., resolution or quality)
  - 348/14.13 ..Compression or decompression
  
- 2 370/260 (1 OR, 1 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/259 SPECIAL SERVICES
  - 370/260 .Conferencing
  
- 2 370/477 (0 OR, 2 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/473 ..Transmission of a single message having multiple packets
  - 370/477 .Transmission bandwidth conservation
  
- 2 375/240 (1 OR, 1 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/240 BANDWIDTH REDUCTION OR EXPANSION
  
- 2 375/240.24 (0 OR, 2 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS

09577649 CLSTITLES

- 375/240 BANDWIDTH REDUCTION OR EXPANSION
- 375/240.01 .Television or motion video signal
- 375/240.24 ..Block coding
  
- 2 375/241 (1 OR, 1 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/240 BANDWIDTH REDUCTION OR EXPANSION
  - 375/241 .Pulse code modulation
  
- 2 375/244 (2 OR, 0 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/242 PULSE CODE MODULATION
  - 375/244 .Differential
  
- 2 379/202.01 (1 OR, 1 XR)
  - Class 379 : TELEPHONIC COMMUNICATIONS
  - 379/201.01 SPECIAL SERVICES
  - 379/202.01 .Conferencing
  
- 2 382/118 (0 OR, 2 XR)
  - Class 382 : IMAGE ANALYSIS
  - 382/100 APPLICATIONS
  - 382/115 .Personnel identification (e.g., biometrics)
  - 382/118 ..Using a facial characteristic
  
- 2 382/260 (0 OR, 2 XR)
  - Class 382 : IMAGE ANALYSIS
  - 382/254 IMAGE ENHANCEMENT OR RESTORATION
  - 382/260 .Image filter
  
- 2 704/200 (1 OR, 1 XR)
  - Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
  
  - COMPRESSION/DECOMPRESSION
  - 704/200 SPEECH SIGNAL PROCESSING
  
- 2 704/206 (1 OR, 1 XR)
  - Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
  
  - COMPRESSION/DECOMPRESSION
  - 704/200 SPEECH SIGNAL PROCESSING
  - 704/201 .For storage or transmission
  - 704/205 ..Frequency
  - 704/206 ...Specialized information
  
- 2 704/209 (0 OR, 2 XR)

09577649\_CLSTITLES

Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION

704/200 SPEECH SIGNAL PROCESSING

704/201 .For storage or transmission

704/205 ..Frequency

704/206 ...Specialized information

704/209 ....Formant

2 704/212 (0 OR, 2 XR)

Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

COMPRESSION/DECOMPRESSION

704/200 SPEECH SIGNAL PROCESSING

704/201 .For storage or transmission

704/211 ..Time

704/212 ...Pulse code modulation (PCM)

2 714/747 (2 OR, 0 XR)

Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
DETECTION/RECOVERY

714/699 PULSE OR DATA ERROR HANDLING

714/746 .Digital data error correction

714/747 ..Substitution of previous valid data